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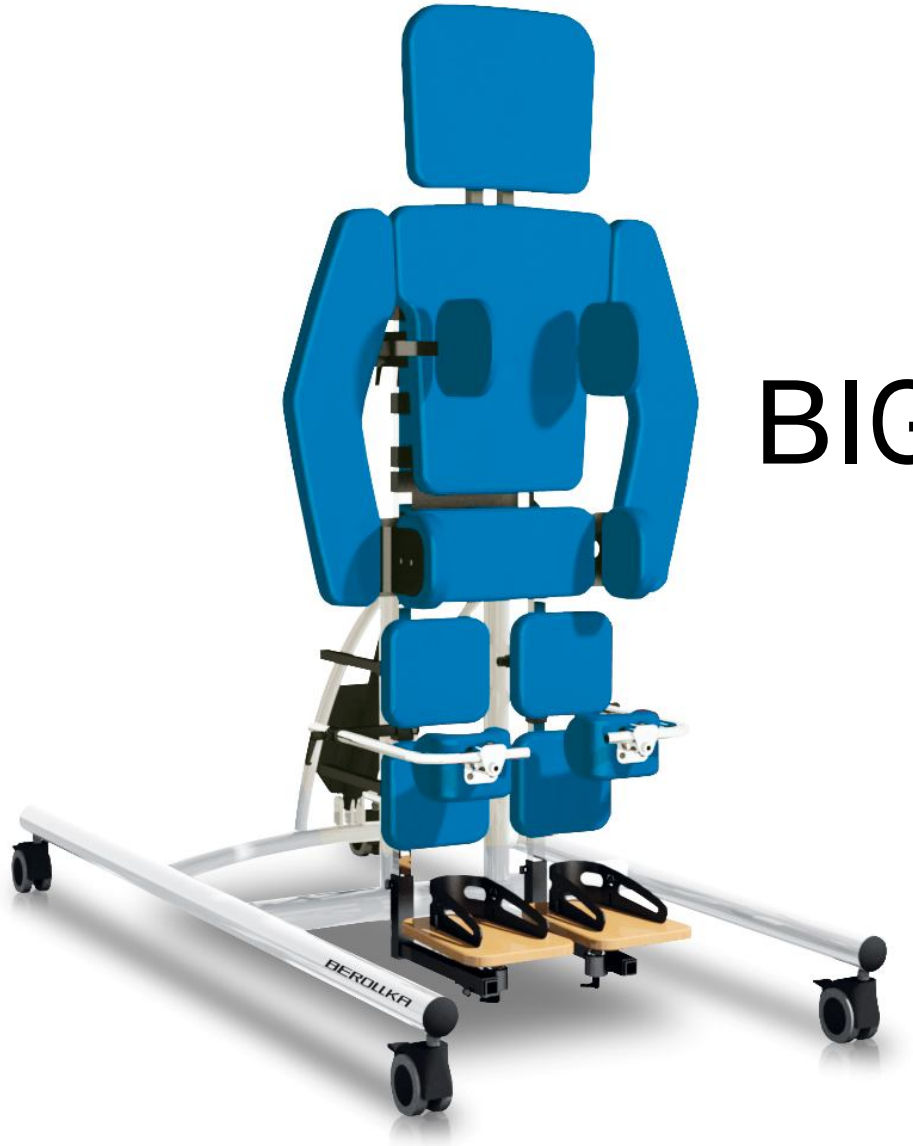
user manual



Campus PHYSIO BIG RELAX

multifunctional and practicable

Stand 03/2014

Dear Customer,

at this point, we would like to thank you to have confidence in our products.It´s a pleasure for us to sell you a high quality standing-system from **Berollka-aktiv**.
The standing-system CAMPUS PHYSIO BIG RELAX is characterized by itsquality, safety, simplified handling and modern design.

We kindly ask you to observe the security advice as well as the instructions attentively before using the standing-system for the first time.

We subject to technical changes and improvements of the standing-systems.

Please note that the equipment of your standing-system could differ in some allusions and demonstrations.

EC Declaration of Conformity

We, Berollka-aktiv Rollstuhltechnik GmbH Jahnstraße 16 – 74889 Sinsheim, declare in sole responsibility, to conform to the standing-systems from Berollka the fundamental request subject to the regulations 93/42/EWG, appendix I.

Yours Berollka-aktiv Team

BEROLLKA bewegt

Status: March 2014
Technical changes and literal mistakes are reserved.

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reha KIND
Mitglied der internationalen Fördergemeinschaft Kinder- u. Jugend-Rehabilitation e.V.

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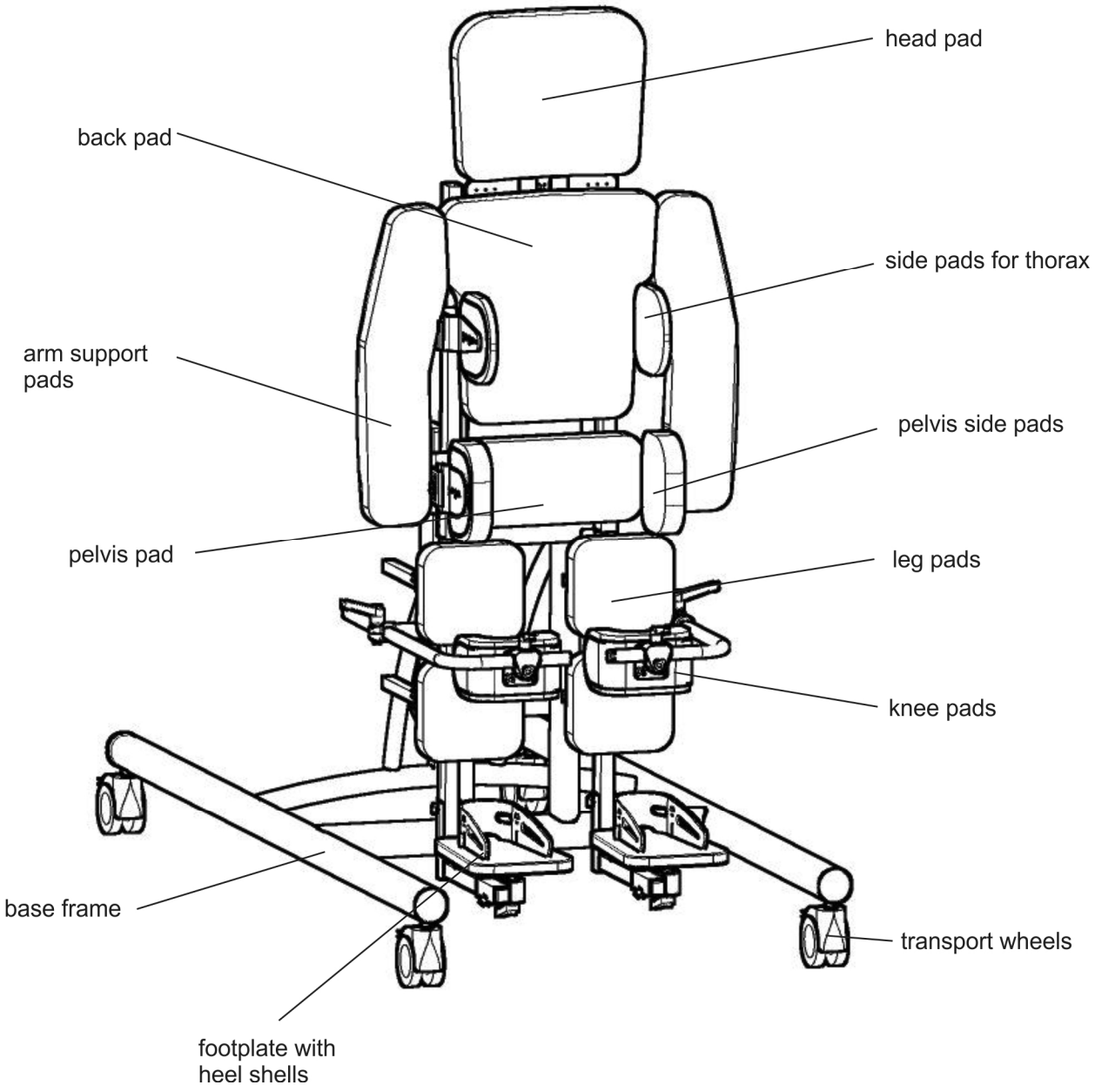
This manual should help you to become acquainted with your standing-system. Furthermore,we want to give you some helpful suggestions, how to handle the standing-system for daily use in different situations.

Overview of CAMPUS PHYSIO BIG RELAX

The standing-system CAMPUS PHYSIO BIG RELAX is used exclusively for standing and recumbent therapy for disabled children and young people. In doing so, it helps medicate contractures, skoliosis and other heavy handicaps. Often, it´s successful in absorbing such deformations and in some cases even it´s possible to correct them.
The below-mentioned illustration presents the indication of the most important elements at the standing-system, as well as the definitions, which you will find by reading the manual.



General Security Advices

Because you have to read and consider the manual and general security advices before the first use, we summarized the most important points.

These security advices have to be considered by patients as well as by companions!

- **Never** leave the patient **unattended**!!
- The companions had **to be introduced** to safety handling before putting the standing-system into service.
- **All screws and pinches must be controlled** before each use. Please pay special attention to pinch levers along central pillars.
- Maximum payload:Campus PHYSIO BIG RELAX6994 max. 100 kg
  Campus PHYSIO BIG RELAX 6995 max. 120kg
- According to sickness and patient´s weight, up to 2 assistants may be necessary to put the patient accurate into the standing-system.
- Adjustments of the standing-system should be made according to the sickness. Some patients may require a bent position as long as they cannot bear fully upright standing. All castorwheelshavetobeblocked.
- According to disease pattern and therapy, the defined duration with the standing-system should not be passed.
- Adjustments on the standing-system should always be adapted to disease pattern.
- In case of defect, the standing-system must remain out of service and has to be repaired by an expert.
- Disassembling and remounting must be done by skilled experts, and at least two of them.
- Using the standing-systems must be restricted to solid, even and horizontal ground.
- Do not use it outdoors.
- Changing at our construction elements is prohibited and results automatically in loss of warrant!

Indication und therapeutic use

The standing-system allows people with different physical and/or psychical limitations the daily necessary upright standing safe, without getting tired.

Everyday standing stabilizes blood circulation, prevents bone decalcification (osteoporosis), corrects contractures of hip and knee joints, incites functions of intestines and bladder, lungs and kidneys. The targeted advancement of head control is optimized by extensive adjustments on all levels.

Because of its manifold adjustments, the CAMPUS PHYSIO RELAX can be used as a standing-system as well as a stander for dorsal position. The Producer does not take any liability for all other adjustments and the associated damages of any kind.
Your specialist dealer can give you further information, who also shows you the possibilities of variation and adjustments.

Please note: Based on current information, no contraindications occurred.

Indications

- paraplegia
- multiple sclerosis
- muscular dystrophy
- infantil cerebral paresis

EC Declaration of Conformity

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CE

Handling in Delivery

Your standing-system is delivered in a cardboard box. Lose items are separately packed, with a view to avoiding transport damage.
Take your expert´s help to learn safe using for yourself and your nurse.

Basic Equipment:

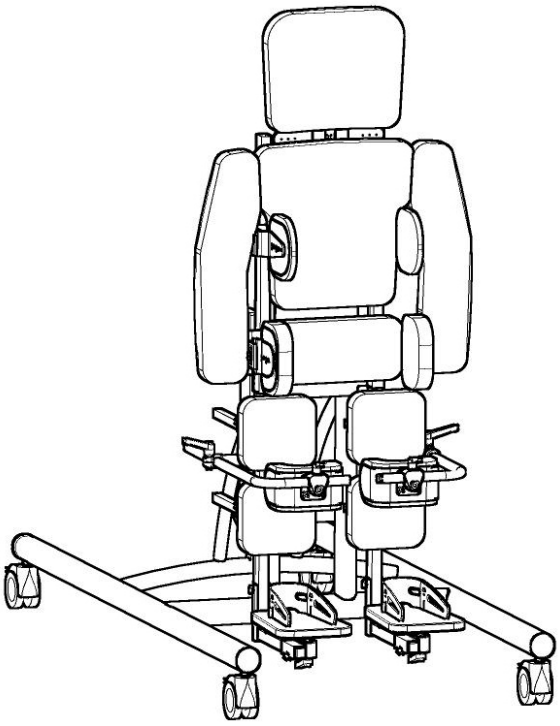
Your standing-system will be delivered serially with the following basic equipment (unless there is noother configuration):
Basic frame with 4 castor wheels
- several constant leg pillows
- constant footplate
- back pad with chest shoulder belt
- pelvis pad with pelvis side pads
- head pad
- incline adjustment with electrical drive from 90° (vertical) to 0° (horizontal)
- battery recharger with power supply pack
- manual control unit

Assembling:

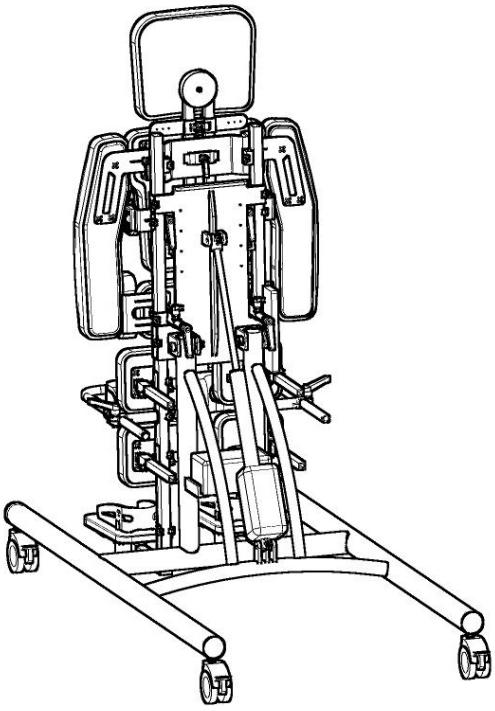
Please note: At least **two people** are required for assembling, so as to avoid injuries.

After unpacking, put the standing desk onto an even and solid ground and please block the transport wheels.

front side ofthe standing-system



back side of the standing-system



Regulation of the standing-system

The standing-system must be adapted to the requirements and measures of the patient, before putting him into it.
It´s only possible to do the basic adjustments with the measures of the patient without the patient inside the standing-system.
Following, the adjustments must be repeated as soon as the patient is standing in the standing-system and, if necessary, it has to be corrected.

For the particular adjustments, you have to adjust the pads with the help of the clamp levers or the provided tools. An incline adjustment is possible during the practice. Please be careful, that all adjustments are locked by putting the screw and the screw nut on.

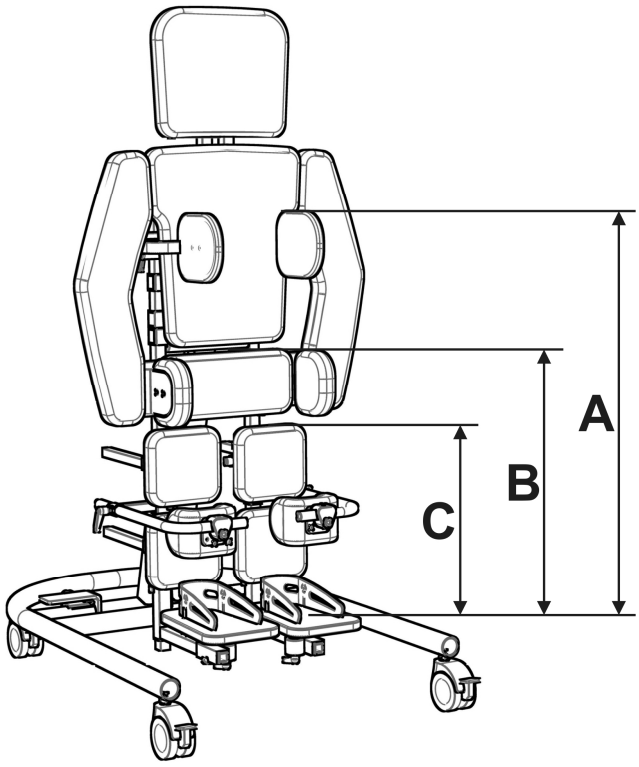
Please note: The adjustment of the footplate **isn´t allowed** while the patient is in vertical position!!!

Following measurements are needed:

Measure A:
Total height = measure between upper edge head pad and footplate.
This measure is equivalent with the body measurements.

Measure B:
Chest height= measure from chest to footplate.

Measure C:
Inside leg= measure between seating area and footplate.



Technical specifications

BEROLLKA

Campus PHYSIO BIG RELAX 6994 / 6995

stander for dorsal position, incline adjustable

A total height (footplate to head pad)

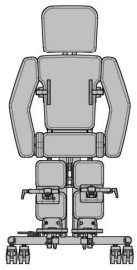
Size	minimum measure A	maximum measure A
4	140 cm	170 cm
5	160 cm	190 cm

B chest height (footplate to chest)

	minimum measure B	maximum measure B
Campus PHYSIO BIG RELAX 4	90 cm	115 cm
Campus PHYSIO BIG RELAX 5	100 cm	125 cm

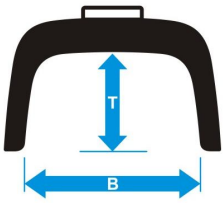
C inside leg

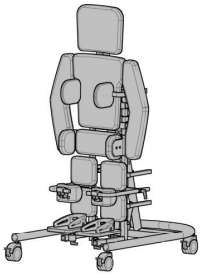
	minimum measure C	maximum measure C
Campus PHYSIO BIG RELAX 4	55 cm	75 cm
Campus PHYSIO BIG RELAX 5	60 cm	80 cm



D width of knee pads

size of knee pads			
	measurements [mm]		
size	B	T	H
S	80	60	90
M	110	80	90
L	140	100	100
XL	170	115	130





Campus PHYSIO BIG RELAX	total width		Total length		max. patient weight
	frame	table	stander vertical	stander horizontal	
Size 4	70 cm	78 cm	156 cm nur Rahmen	160 - 190 cm	**100 kg**
Size 5	70 cm	78 cm	156 cm nur Rahmen	165 - 200 cm	**120 kg**

Technical changes and printing mistakes are reserved.

VD231E-03

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Materials of the standing system

In the following table you will find a list of the materials used in their standing device.

Components	Material	Surface
Frame part	Piece 37k	Powder coated
Attachment part	Piece 37k	Powder coated
Connectors and screws	Piece 37K 1.4302	Powder coated/ chromed
Clamp lever	Synthetics PA6	
Table plate	Multiplex plate beech tree	Clear coated DIN EN 10993-1
Feet plate	Multiplex plate beech tree	Clear coated DIN EN 10993-1
Upholstery	VB 100 30mm thick	
Cushion	Skai PVC	
Transport wheels	Synthetics PA6	

Handling Instruction

Please pay attention as to keep your standing-system an even and solid ground. If the base frame has got transport wheels, they must be locked.

Attention:
Please control the connection of all screws, bolts and pinches.

The standing-system should be adjusted for the particular patient like on page 8 („Regulation of the standing-system“).

Entering

Please consider that the standing-system has to be preset for the requirements and measures of the patient.
Before entering, the pelvis frame must be opened, the knee pad must be deviate or must be put away and the table plate also must be put away.

Entering is only allowed by the help of 2 people and in a vertical, inclined position or in a horizontal position of the standing-system.

The patient should lie with the backside at the pelvis pad or should stand with the backside at the height of the pelvis pads and lie with the back at the back pad.
Following, the feet should stand in the heel shells. After this, the knees should be positioned in the knee pads.Optionally, you can fix the feet in the heel shells.

Attention: According to disease pattern, the knee pads must be adjusted to the knee.

After this, close the chest belt and/or position the side pads.

The patient takes the standing or dorsal position. Now, the position of the pelvis pads and of the knee pads must be controlled and re-adjusted. If you use side pads, they should be controlled as well.

According to sickness and therapy, the time tobe passed within the standing-system should be respected. Remaining to long may cause circulation problems and aching legs or back, or even spastic attacks.

Furthermore, there are great differences between patients. Some of them cannot be brought into a perfect upright position and may need a bended standing in the beginning!
For that purpose, the pads of the bend contracturemust be adjusted.

Leaving

Also leaving depends on an even and solid ground of the standing-system. If it has got transport wheels, they must belocked.

First, the side pads should be removed or swing away and in case of using a table it should be removed, too.

After that, you can open the foot straps. Be careful with the patient, he should be supported by another person.
Open the chest bend and the knee pads, so that you can lift the patient out of the standing-system.

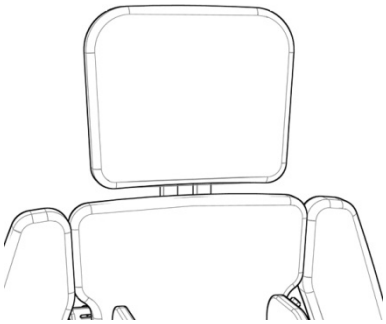
If a patient has no or a little body control, the companions must help to enter and to leave.

Equipment

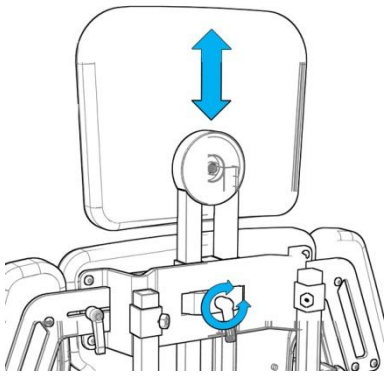
The standing-system is built by a modular construction system so that several equipment can be added subsequent.
In the following, you will find a selection of our variations and equipments, which can be lighten the use of your standing-system.

Head pad

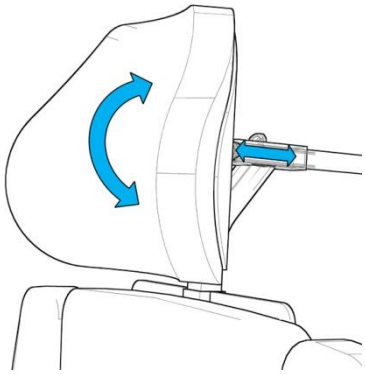
The head pad is the topmost pad and is mounted at the back pad. It is contained in the normal equipment.



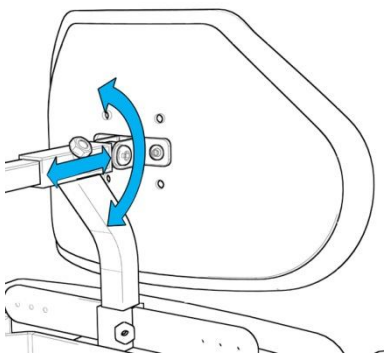
You can regulate and delay the head pad by resolving the clamp lever at the upper mount of the back pad.



Optional, the head pad formed isavailable instead of the standard head pad. This head pad is also mounted at the upper mount of the back pad and it´s clamped by a clamping bridge.

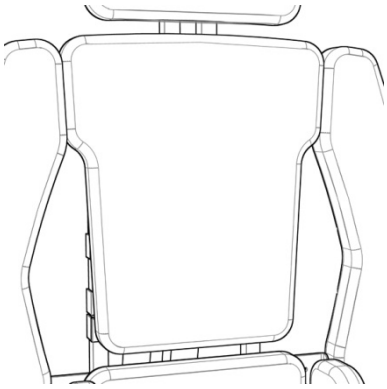


The head pad formed is also angle adjustable and depth-adjustable. It´s plugged in the middle ofthe back mount and clamped directly with the clamp lever.

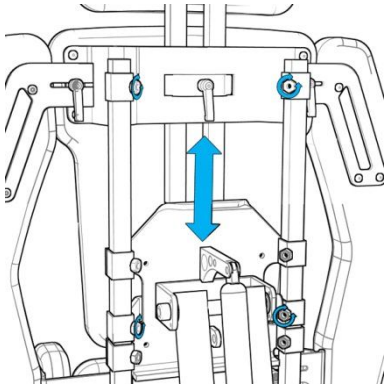


Back pad

The back pad is fixed with the deepest mount and with the upper mount at the central pillars. It can be moved axial.

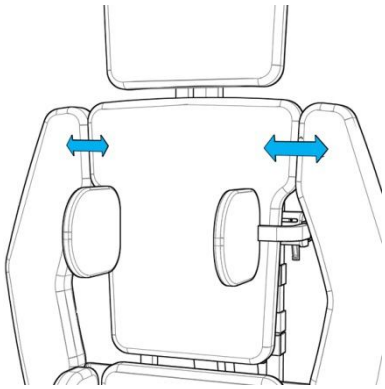


By solving the grub screw in the guide pipe of the mounts, the back pad can be moved and adjusted.

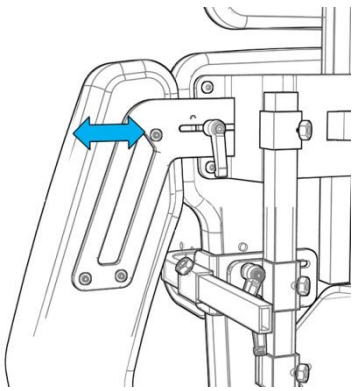


Arm support pad

The arm support pads are fixed at the right and left side of the back pad. They can be extracted and dropped off by opening the clamp lever.

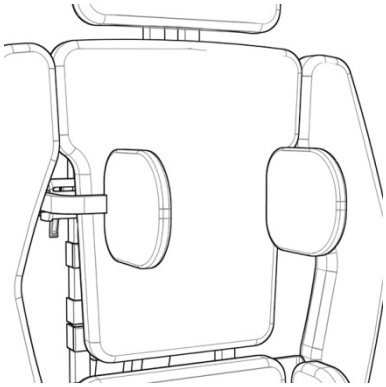


The arm support pad can be moved and adjusted in width by solving the clamp levers at the upper mount of the back pad.
Please consider that the mount of the arm support pad is enough conducted at the inside.

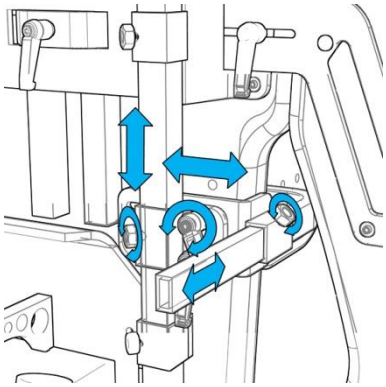


Side pads for Thorax

The side pads are at the right and at the left side ofthe back pad. In each case, they are forward fixed at the central pillar pipe.
The side pads conduce to sidewise support of the body. They should be set in by patients who have got less control of their body for a sidewise support.
For this, the side pads are independent adjustable in height and width. Thereby, an ideal asymmetric adjustment can be reached.



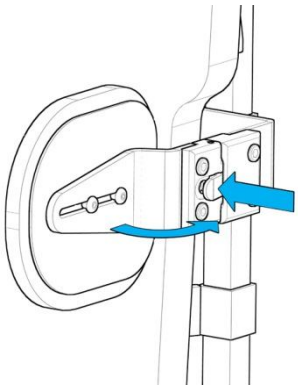
There are 3 different variations:



Side pad fixed

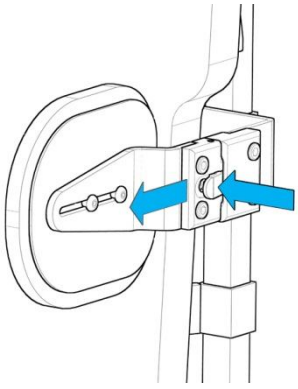
Fixed mount and independent adjustable in height and width.

Side pad swing away



Mount, which can swing away till the arm pads.
Independent adjustable in height and width.

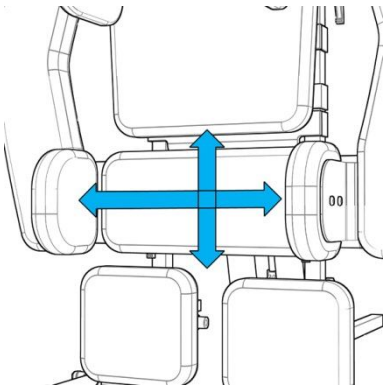
Side pads pluggable



Mount with pluggable system to drop off the side pads.
Independent adjustable in height and width.

Pelvis pads

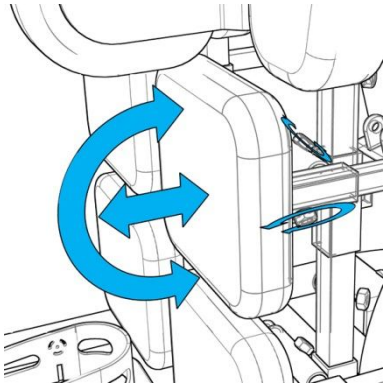
The pelvis pad is depth-adjustable, height adjustable and angle adjustablefixed at the central pillars.



It is independent adjustable by opening the clamp levers.

It´s possible to fix pelvis side pads at the pelvis pad. The pelvis side pads are adjustable in width and therefore they can be fit at the backside width.

As pelvis side pads, there are 2 variations:



<u>Pelvis side pads fixed screwed</u>

The pelvis side pads are screwed at the pelvis pad and are adjustable in width.

<u>Pelvis side pads pluggable</u>

The pelvis side pads are fixed at the pelvis pad with a pluggable system to remove. They are also adjustable in width.

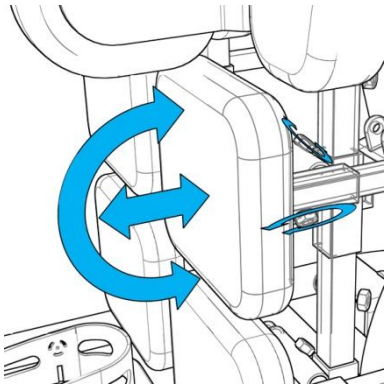
<u>Pelvis retraction strap</u>

The pelvis retraction strap is an alternative to the pelvis side pads. It is sidewise fixed at the pelvis pad and is individual adjustable.

The pelvis retraction strap is removable by rack rails and is individual adjustable in width and depth.It fixes the pelvis lengthwise.

Leg pads:

Single or divided foot rest pads can be used as leg pads.

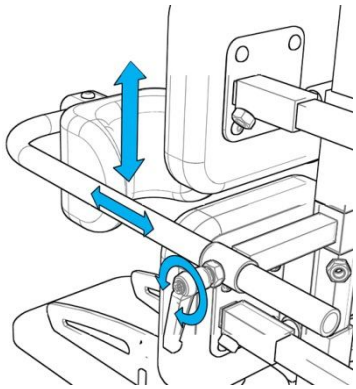


The single leg pads are straight and rigid and are individual adjustable in height.

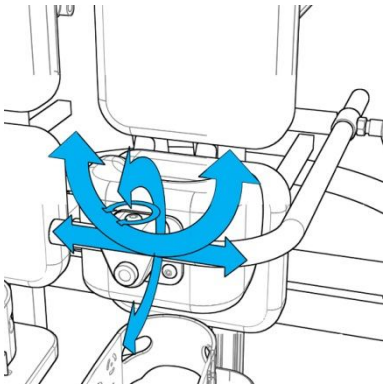
In contrast to thesingle leg pads, the divided leg pads are depth-adjustable, height adjustable and angle adjustable fixed at the central pillars.
They are individual adjustable by opening the clamp levers.

Knee pad

As knee pads, there are 2 variations possible:
The standard knee pads are out of foam plastic, drawed with fabric Skai and available in 4 different sizes.
The SHARK knee pads are anatomic applicable and may support and position the knees ideal.There are also 4 sizes available.



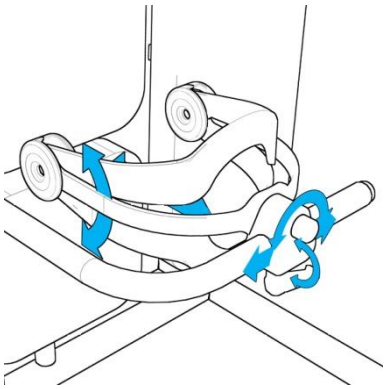
The attachment for the knee pads is depth-adjustable, height adjustable and angle adjustable fixed at the central pillars.
They are individual adjustable by opening the clamp levers and clamping at the central pillar.



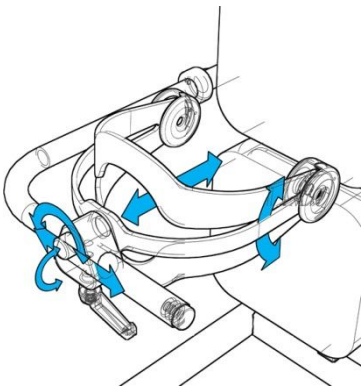
Because of the Four-wire connector in front of the attachment the knee pad is individual adjustable to the positioning of the legs.
It is angle adjustable, revolvable and movable mounted.

The SHARK knee pads are anatomic ideal adjustable because of the constructive creation.
The knee pad is ideal adjustable by opening the angle of the knee pad.

It is also depth-adjustable, height adjustable and angle adjustable.



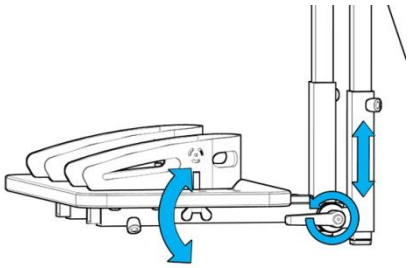
Because of the Four-wire connector in front of the attachment the SHARK knee pad is individual adjustable to the positioning of the legs.
It is angle adjustable, revolvable and movable mounted.



Footplate and heel shells

The footplate is constant at the standard equipment and is height adjustable. The heel shells can be fixed in different positions at the footrest.
In addition, the feet can be fixed in the heel shells with foot straps.

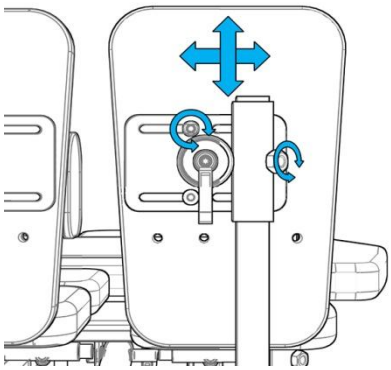
Instead of the constant footrest, there are also divided footrests available. If the patient has got different leg lengths, the divided footrests can be set independently of each other.



Please note: The adjustment of the footplate should not be undertaken with the patient in the standing-system!

Additional, the footrest is, with the option gear segment, angle adjustable.

The footplate is angle adjustable with a ball joint below the footrest.
Therefore, you have to lift the clamp lever below the case. After that, you have to adjust the foot angle and then you have to close the clamp lever.



In addition, the footplate is individual adjustable in depth and width.

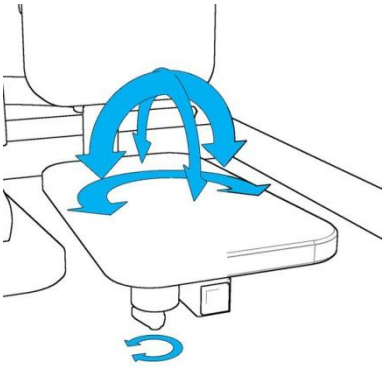
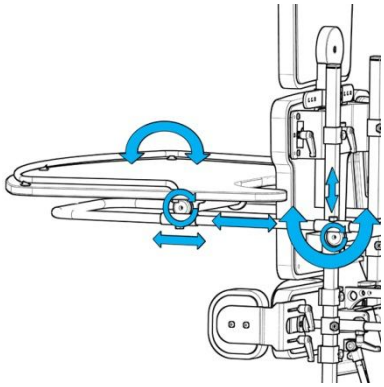


Table plate

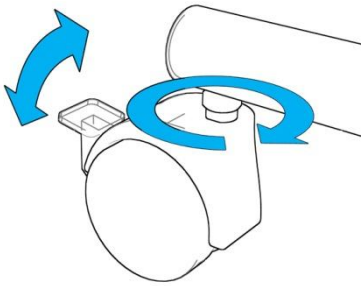
The table plate is out of wood and has got an outline around the table (in the ideal case). The mount for the intake of the table plate is sidewise fixed at the back pad.



The mount is angle adjustable (with clamp lever and gear segment) and consequently it is adjustable in every inclination of the standing-system.

Transport wheels

For the mobile use at home the base frame has got wheels with 75 mm diameter and every 4 wheels have got brakes.

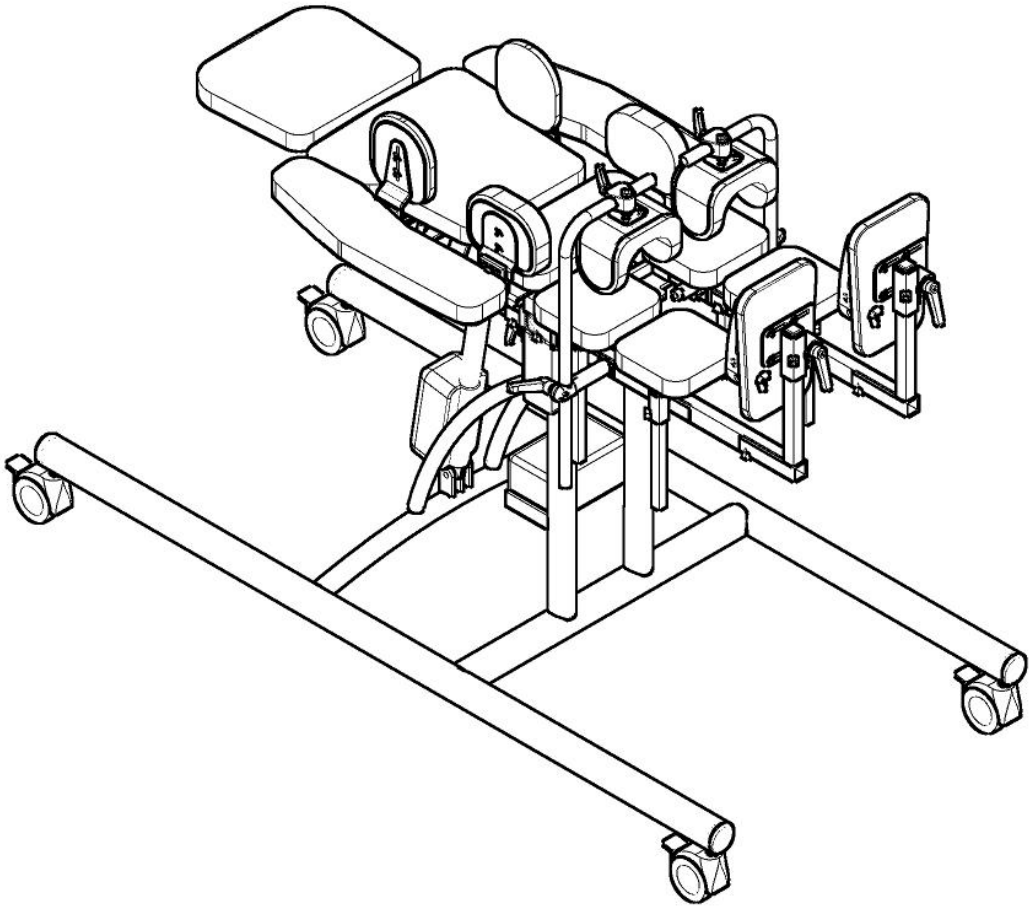


During the therapy, the wheels always have to be fixed!

Incline adjustment of the standing-system

The standing-system is adjustable from the vertical to the horizontal position and reverse via an electrical adjustment drive (linear actuator)

picture:horizontal position



The horizontal position is the recumbency position and at once the position which the patient will be put inside by an assistant.
To this, perhaps, the side pads, which are adjusted to the bedside, should be removed.

Please note:
The use of the hand control and therefore the incline adjustment of the standing-system should be undertaken with caution so that the adjustment is not abrupt, the patient gets frightened and clenches. Stabilize and support the act of the incline adjustment with your hands.

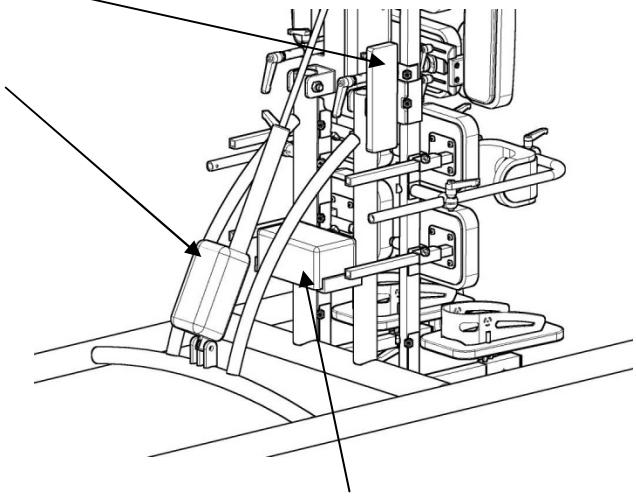
Make sure that all screws, clamping levers and bolts are tightened.

Attention:
Before the patient can use the standing-system, the standing-system must be regulated with the measure and requirement of the patient.
It is only possible to do the basic regulations without the patient inside the standing-system. After that, the adjustments must be checked and corrected with the patient inside the standing-system.

Please pay attention that all screws, screw nuts and clamp levers are fixed.

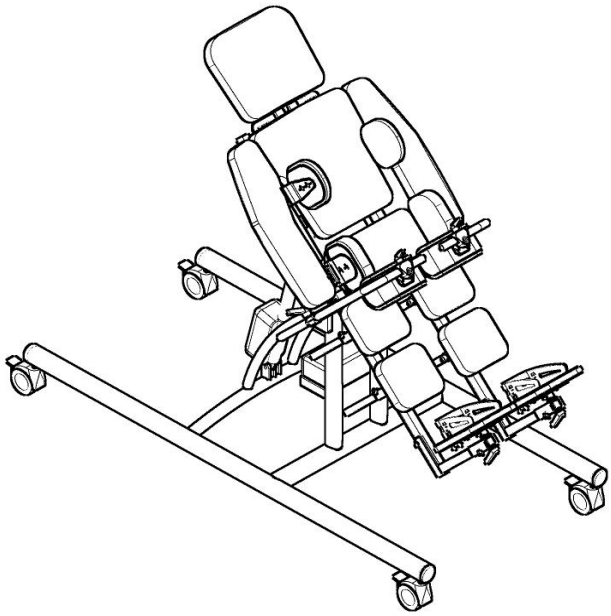
hand control

electrical adjustment drive (actuator)

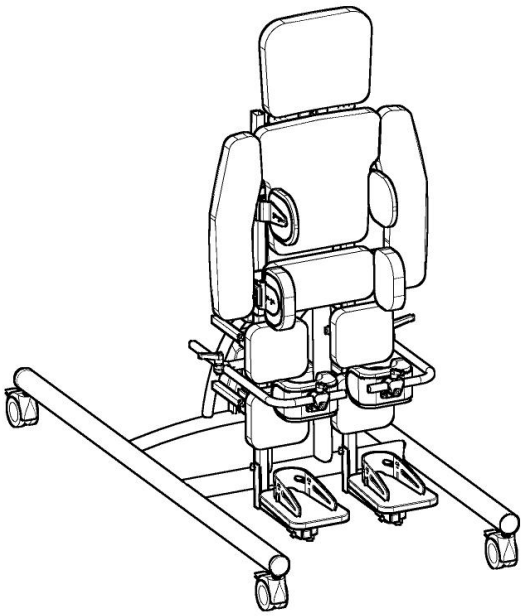


Akku
rechargeable battery

inclinedposition



verticalposition



First charging

It is advisable to charge the battery 12 hours before the first use. Due to the fact that you can balance the capacitance loss during the charging if it is necessary.

Charging temperature:
The battery should be charged in a surrounding temperature from 0° to 40° degrees.

Discharging temperature (in use): The surrounding temperature should be between 15° degrees and 50° degrees during discharging.

The rechargeable battery is equipped with an acoustic sensor. If the keystroke is activated, the acoustic „charging sensor“ rings out that the rechargeable battery should be charged.

Warning:
If the handling of the control is possible withal the charging sensor, the rechargeable battery could be destroyed because of deep discharge.

Charging process:
To charge the rechargeable battery the cable of the adjustment drive must be pulled out of the rechargeable battery box. Following, take the cable from the recharger and put it into the cable connector from the rechargeable battery box. Now, the charging begins.

It is not possible to do a seat angle adjustment during the charging!!

Please note:
Because of the decrease of the charge rate during the charging the rechargeable battery is charged to 80% after 4 to 5 hours.

Care and maintenance

The care responsibility of the medical aid or therapy equipment isthe responsibility of the property owner or the owner of the product. Non-observance of the nursing or the nursing interval referred to the time schedule of the manual of the product causes loss of warrant. Furthermore, the non-observance of the nursing can tends to result in damage of the function or security of the user and/or the nurse.

Your standing-system needs regular care. Forehanded, all metal parts are protected with powder coating, eloxal or chromium-plating from corrosion. Moreover, highly stressed parts are made out of stainless steel.

Please clean your standing-system constantly with a soft little moistened cloth or if necessary, with a mild detergent(without salmiakand dissolver).

Please dry off the metal partswith a cloth after cleaning.

Clean the padded parts only with mild soap solution.

Use only a little moistened cloth for the wood parts.

If you want to clean the standing-system with a not as much aggressive disinfectant refer to hygienic reasons, please operate it only in a spraying and/or wipe technique.Take a cloth and spray the disinfectant at the cloth and rub the parts with that cloth.
For the cleaning of our standing-systems are all detergents allowed which are licensed for the use of hospital hygiene from the „Robert Koch Institute“by VAH/DGHM.

Please note: It is not allowed to use abrasives or the like strong detergents. Don´t use high-pressure cleaner.

Note:

Because of the permanent use of your standing-system, it could be possible that some screws become loose. Please retighten the screws occasionally or authorize your dealer.

We recommend letting your standing-system check from a specialist dealer regularly dependable on the capacity factor, however at least one time a year.

Maintenance

Time interval	Description
First day	Read the manual careful before use of the product and keep it for future use
	Stow the tools at the product
Daily	Use a dry cloth for cleaning
	Optic inspection: damaged and battered parts have to be replaced or repaired immediately
	Please assure that all mounts are in place
	Check the belts, chestharness and closures for external signs of wear
	Pay attention at all maximal information at the adjustments
Weekly	Check that all wheels can spin faultless and that all brakes work faultless
	Check that the angle adjustment is faultless and that the safety interlock system works faultless
	Use a cloth with warm water and a mild detergent to remove dirt and to clean the product.Wipetheproductbeforethenextuse.
Monthly	Please check and fix all screws, screw nuts and interlocks constantly to guard against unwanted mistakes.
	Oil the movable parts. We advice you a professional lubricant, for example „Metaflux-Klarfett-Spray“
Yearly	Check the frames and the frame parts for abrasion and never use a product with known deficits. Please make an inspection at least one time in year at your specialist dealer

Further use

For the further use of our standing system we recommend an examination of the product by a specialist dealer.

The following measures must be satisfied:
• Thorough cleaning and disinfection with appropriate means
• Maintenance according to the maintenance plan and review by the manufacturer or authorized specialist
•Creating the accompanying documents and approval for re-use

Further use check:

Optical control

- ✓ Check the product for cleanliness
- ✓ Check the surface protection
- ✓ Check the frame due to damages
- ✓ Check the cushion and the seat and back cover due to damages

Mechanical control

- ✓ Check all screw- and clamp connections and retighten them
- ✓ Check locking elements to function and completeness
- ✓ Check the bolting device elements
- ✓ Check the bowden cables
- ✓ Check the tyres and air pressure
- ✓ Check the driver wheels
- ✓ Check the safety seat belt

Documentation

- ✓ Name-plate (Serial-Number) available
- ✓ User manual available (download is possible at www.berollka-aktiv.de)

Generally, the specialist dealer has to check the condition concerning security and if necessary the appropriate parts have to be replaced.

Warranty

In addition to the general terms of business we afford a warranty to the standing-system supplied by us:

2 years for the base frame and the central pillar
(for manufacturing defects or defaults in material)

For the used gas pressure springs and stabilizers we afford you according to the producer information a 12 monthwarrant.

Defective or damaged parts according to the points stated above will be fixed or replaced within the defects liability period free of charge, if Berollka-aktiv is informed immediately with the proof of new purchase. The rejected parts must be sent free of transportation charges and post-free to Berollka-aktiv.

If a construction fault or a material fault is existent, damaged parts will be replaced without charge. Changes and constructive interventions, which are beyond the adjustment of the personal body height, cannot be reasoned by us as the producer.

Attention: Special design versions cannot be exchanged.

Technical changes are reserved.

We cannot assume liability for damages because of combinations of our standing-systems with external products of any kind, which possibly contains a considerable risk.Unless, a explicit clearance of such a product exists at our company.

Furthermore, deficits are eliminated, which occur because of natural defects, excessive use, damage by force as well as because of not designated use.

The warrant expires if no original spare parts from Berollka-aktivwill be used for repair.

Please note:

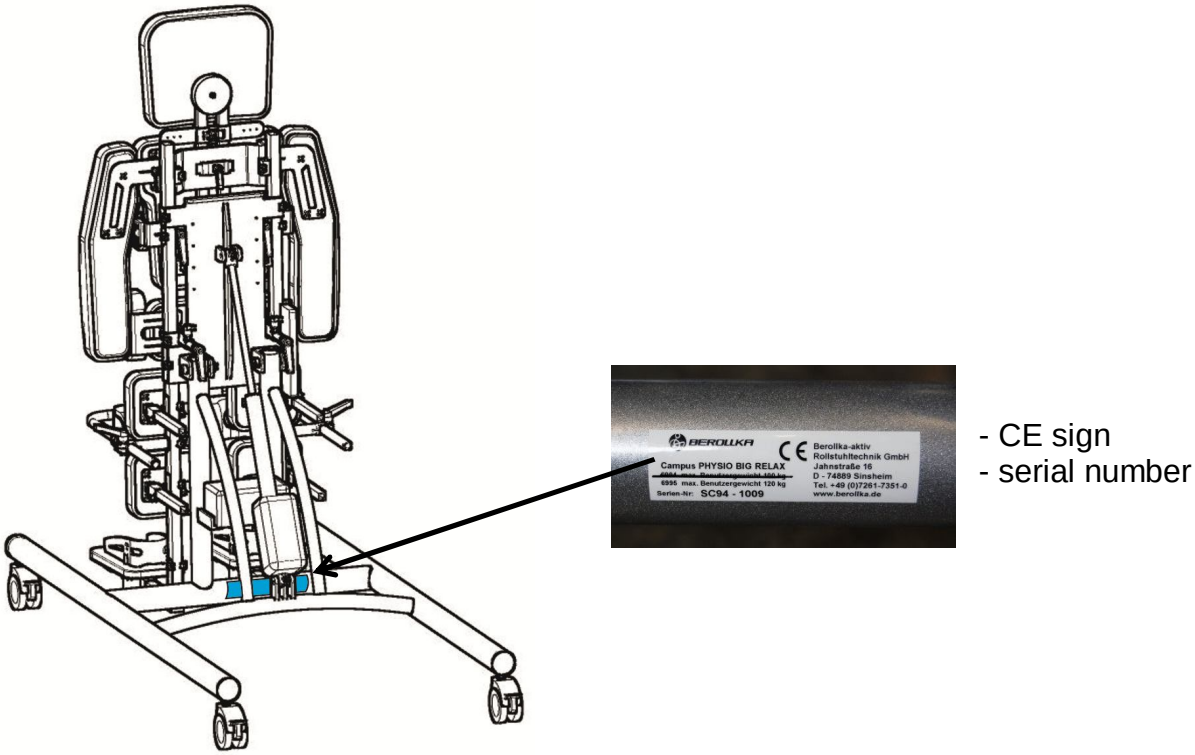
Changes at our component parts are not allowed and causes automatically loss of warrant!

Identification Plate

The identification plate is located visible at the inside of the cross tube of the base frame.

Identification plate

On the identification plate, there you can find the accurate type designation, the **serial number** and the maximal user weight.



If you want to reorder equipment or spare parts, please always specify the serial number (and perhaps the order number) to guarantee the processing of your order without any difficulty.

Additional Information

ATTENTION:

We can assume no liability, for damage caused by combinations of our standing systems with third-party products of any kind that may result in considerable danger may in itself. Unless that an express release of such a product exists through our house.

ATTENTION:

Because of the permanent use of your standing-system, it could be possible that some screws become loose. Please retighten the screws occasionally or authorize your dealer.

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